

International application No.

	PCT/JP2004/002480	
A. CLASSIFICATION OF SUBJECT MATTER Int.C1 ⁷ H03K3/84		
According to International Patent Classification (IPC) or to both national classification	n and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification system followed by classification system. Int.Cl ⁷ H03K3/84	mbols)	
Inc.CI hosks/64		
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shi	uyo Shinan Koho 1994-2004 nan Toroku Koho 1996-2004	
Electronic data base consulted during the international search (name of data base and,	where practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	·	
Category* Citation of document, with indication, where appropriate, of the	ne relevant passages Relevant to claim No.	
X JP 62-264717 A (Nippon Bunko Kogyo K. A Kaisha), 17 November, 1987 (17.11.87),	abushiki 1-5,7-13,18 6,14-17	
Claim 1; Figs. 1, 2; page 5, upper le line 5 to page 6, upper left column, (Family: none)	eft column, line 3	
X A JP 48-102557 A (Japan Atomic Energy Institute), 22 December, 1973 (22.12.73), Page 2, upper left column, last line right column, line 10 (Family: none)	6,14-17	
Further documents are listed in the continuation of Box C.	ent family annex.	
to be of particular relevance the princip	date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"L" document which may throw doubts on priority claim(s) or which is step when cited to establish the publication date of another citation or other "y" document	of particular relevance; the claimed invention cannot be ad novel or cannot be considered to involve an inventive the document is taken alone of particular relevance; the claimed invention cannot be	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means combined being obvi	of particular recognite, the chained invention cannot be ed to involve an inventive step when the document is with one or more other such documents, such combination ious to a person skilled in the art member of the same patent family	
	g of the international search report ine, 2004 (08.06.04)	
Name and mailing address of the ISA/ Japanese Patent Office Authorized off	icer	
Facsimile No. Telephone No. Form PCT/ISA/210 (second sheet) (January 2004)		



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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		PCT/JP2	JP2004/002480	
Category*				
X	Citation of document, with indication, where appropriate, of the relevant part of the selevant part of the selevan	ssages	Relevant to claim No.	
A	Industrial Science and Technology), 01 October, 1976 (01.10.76), Claims; all drawings (Family: none)		1-5,7-13,18 6,14-17	
X A	JP 8-265109 A (Kabushiki Kaisha Yuragi Kenkyet al.), 11 October, 1996 (11.10.96), Figs. 1, 2 (Family: none)	yusho	1-5,7-13,18 6,14-17	
X A	JP 5-243922 A (Alps Electric Co., Ltd.), 21 September, 1993 (21.09.93), Fig. 5 (Family: none)		1-13,18 14-17	
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